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Art 34 ANDP
-24-"as enclosed to IPER"

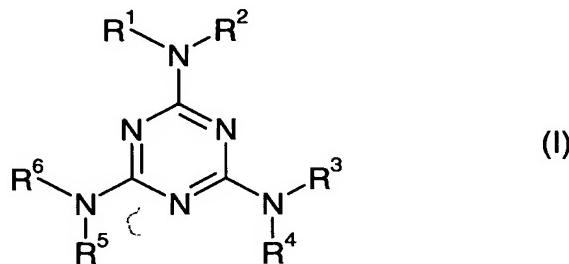
We claim:-

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1. A method for printing sheetlike or three-dimensional substrates by the ink jet process using thermally crosslinkable, aqueous recording fluids containing random polyurethane copolymers and one or more melamine derivatives as crosslinkers.

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2. The method as claimed in claim 1, wherein the recording fluids contain one or more melamine derivatives of the general formula (I)



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where:

R^1 to R^6 are the same or different and are each selected from hydrogen, $(CH_2O)_zR^7$, CH_2-OR^7 , $CH(OR^7)_2$ and $CH_2-N(R^7)_2$

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where z is from 1 to 10 and each R^7 is the same or different and is selected from

hydrogen, C₁-C₁₂-alkyl, branched or unbranched;

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alkoxyalkylene, such as $(-CH_2-CH_2-O)_m-H$, $(-CHCH_3-CH_2-O)_m-H$, $(-CH_2-CHCH_3-O)_m-H$, $(-CH_2-CH_2-CH_2-CH_2-O)_m-H$, where m is an integer from 1 to 20.

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3. The method as claimed in claim 2, wherein R^1 and R^2 are each hydrogen in the formula (I).
4. The method as claimed in claim 2 or 3, wherein R^3 is CH₂OH in the formula (I).

- 5. Printed sheetlike or three-dimensional substrates obtainable by the method of claims 1 to 4.
- 5 6. A process for preparing colorant preparations for recording fluids as defined in one of claims 1 to 4 comprising a mixture of random polyurethane copolymers and one or more melamine derivatives as dispersing binders, water, optionally one or more organic solvents and a finely divided inorganic or organic colorant, which comprises mixing together in a ball mill dispersing binders, water, optionally one or more organic solvents and a finely divided inorganic or organic colorant.
- 10 7. Colorant preparations for recording fluids, obtainable by the process of claim 6.